Index of Claims

| Appl | lication | /Control | No. |
|------|----------|----------|-----|

10/030,167

Examiner

Keith T. Ferguson

Applicant(s)/Patent under Reexamination

HERTER, EBERHARD
Art Unit

2683

| √  | Rejected |
|----|----------|
| II | Allowed  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla            | aim      |              | <u>າ</u>   |  | D               | ate   |                         |         |           |       | Cla  | im           |                    |         | (                                      | Date            |                 |                      | ][         | Cla   | aim        |          |   |          | Da  | ate              |                      |                 |          |
|----------------|----------|--------------|--|--|-----------------|---|-------------------------|---------|-----------|-------|--|--------------|--------------------|---------|--|-----------------|-----------------|----------------------|------------|-------|------------|----------|---|----------|---|------------------|----------------------|-----------------|----------|
| _              | <u> </u> | 1            | .I   |  |                 |   |                         | -       |           |       | _  | <del>-</del> | ľ                  |         |  |                 |                 |                      |            |       | a          |          |   |          |   |                  |                      |                 |          |
| Final          | Original | 1            | 1  |  |                 |   |                         | ł       |           |       | Final  | Original     |                    |         |  |                 |                 |                      |            | Final | Original   |          |   |          |   |                  |                      |                 |          |
| Œ              | Ğ        | 1            |  |  |                 |   |                         | -1      |           |       | ፲፫   | Ö            |                    |         |  |                 |                 |                      |            | 证     | Ö          |          |   |          |   |                  |                      |                 |          |
|                |          | Ļ            | ⊢  | $\sqcup$   | 4               | -   | +                       | -       | +-        |       | $\vdash$   |              | -                  | -       | _                                      | $\sqcup$        | $\dashv$        |                      |            |       |            |          | $\sqcup$  | 4        | 4   | $\perp$          | $\bot$               | Ш               | Ш        |
|                | 1        | -            | ⊢  | $\vdash \vdash$                                  | -               | -   | +                       | +       | +         |       | $\vdash \vdash \vdash$                           | 51           | _                  |         |  | $\vdash$        | $\dashv$        | -                    |            |       | 101        | <u> </u> | $\vdash$  | -        | +   | _                | +                    | Ш               |          |
|                | 2        | ├.           | <del> </del>                                     | $\vdash$   | +               | -   | -                       | -       | ┰         |       | $\vdash$   | 52           |                    |         |  | $\vdash$        |                 |                      |            |       | 102        | -        |   | +        | -   | _                | 4                    | Ш               |          |
|                | 3        | ¥            | 1  | $\vdash$   | $\dashv$        | - -   | +                       | +       | +         | ł     | $\vdash\vdash\vdash$                             | 53           |                    | +-      | +                                      | ╁               | +               | -                    |            |       | 103        | H        | $\vdash$  | +        | +   | +                | ₩                    | Н               | -        |
| -              | 5        | Н            | ⊢  | $\vdash$   | $\dashv$        |   | +                       | ┰       | +         | ł     | $\vdash$   | 54<br>55     | +                  | +       | +                                      |                 |                 |                      | ł          |       | 104<br>105 |          | $\vdash$  | +        | +   | +-               | -                    | H               |          |
| <b></b>        | 6        | Н            | +  | $\vdash$   | -               | +   | +                       | +       | +-        |       | $\vdash\vdash\vdash$                             | 56           |                    | +       | +                                      | $\vdash$        | $\dashv \dashv$ |                      | 1          |       | 106        | -        | $\vdash$  | +        | +   | +                | ╁                    | Н               | Н        |
|                | 7        | Н            |  | 1  | $\dashv$        | -+  | +                       | +       | +-        |       | $\vdash$   | 57           |                    | +       | +                                      | -+              | +               | _                    |            |       | 107        |          | $\vdash$  | +        | ┰   | +                | +                    | H               | Н        |
|                | 8        | ┰            | H  | $\vdash$   | ┪               | $\dashv$  | +                       |         | +-        |       |  | 58           |                    | +       | +-                                     |                 | +               | -                    |            |       | 108        | $\vdash$ | $\vdash$  | +        | +   | +                | +                    |                 | Н        |
|                | 9        | $\vdash$     | <del>                                     </del> | $\vdash$   | _               | $\dashv$  | +-                      |         | +-        |       |  | 59           | $\dashv$           | ╅       | +-                                     | $\vdash$        | $\dashv$        | $\dashv$             | ı          |       | 109        | $\vdash$ |   | +        | $\dashv$  | +                | +                    | Н               | $\vdash$ |
|                | 10       |              | ┢  | П  | 寸               | 十   | ┪                       | _       | 1-        |       |  | 60           | $\neg$             | $\top$  | +-                                     | $\vdash$        | $\dashv \dashv$ | $\neg$               | 1          |       | 110        |          |   | $\top$   | $\top$  | $\top$           | +                    | П               |          |
|                | 11       | Т            | T  | П  | $\dashv$        | $\dashv$  | $\top$                  |         | 1         |       |  | 61           | $\dashv$           | $\top$  | 1                                      | $\sqcap$        | $\dashv \dashv$ |                      |            |       | 111        | $\Box$   |   | $\top$   | $\top$  | $\top$           | $\top$               | Н               | Н        |
|                | 12       | Π            | Τ  | П  | 7               | 7   | $\top$                  | 1       | 1         |       |  | 62           | $\neg$             | $\top$  | 1                                      |                 | 1               | $\neg \vdash$        | 1          |       | 112        |          | $\sqcap$  | $\top$   | $\top$  | T                | $\top$               | $\sqcap$        | П        |
|                | 13       |              |  |  |                 |   | $\perp$                 |         |           |       |  | 63           |                    | 丁       | 1                                      |                 | $\dashv \dashv$ | $\top$               |            |       | 113        |          |   | $\top$   | $\top$  | 1                |                      | П               |          |
|                | 14       |              |  |  |                 |   |                         |         |           |       |  | 64           |                    | J       |  |                 |                 | $\Box$               |            |       | 114        |          |   | $\dashv$ | _   | T                |                      | П               |          |
|                | 15       |              |  |  |                 | floor   | $oldsymbol{\mathbb{T}}$ |         |           |       |  | 65           |                    |         |  |                 |                 |                      | ]!!!!      |       | 115        |          |   |          |   | I                |                      |                 |          |
|                | 16       |              | 匚  | $\Box$   | $\Box$          |   | $\perp$                 |         |           |       |  | 66           |                    |         | $oxed{oxed}$                           |                 |                 |                      |            |       | 116        |          |   | I        | 1   | $\mathbf{I}^{-}$ |                      |                 |          |
|                | 17       |              |  | $\coprod$  | $\perp$         |   | $\perp$                 |         |           |       |  | 67           |                    | $\perp$ |  |                 | Ш               |                      |            |       | 117        |          |   | $\perp$  | $oldsymbol{ol}}}}}}}}}}}}}} $ |                  |                      |                 |          |
|                | 18       | Ĺ            | L  |  | _[              | [_  | ⅃                       |         |           |       |  | 68           |                    |         |  |                 | $\Box$          |                      |            |       | 118        |          |   |          |   |                  |                      |                 |          |
|                | 19       |              | $oxed{oxed}$                                     | Ш  | $\dashv$        |   | $\perp$                 |         |           |       |  | 69           |                    |         |  |                 |                 |                      |            |       | 119        |          |   |          |   |                  |                      |                 |          |
|                | 20       | L.           | <u> </u>   | $\sqcup$   | _               | _   | ┵                       | _       | ↓         |       |  | 70           | $\perp$            | _       | 1_                                     |                 | $\perp$         |                      |            |       | 120        |          |   | $\perp$  | $\perp$   |                  |                      | Ш               |          |
|                | 21       | _            | <u> </u>   | $\sqcup$   | 4               | _   | _                       |         | ļ         |       |  | 71           | $\perp$            |         |  | $\sqcup$        | _ _             |                      |            |       | 121        |          |   | _        | _   |                  |                      | Ш               |          |
|                | 22       |              | _  | $\sqcup$   | _               | -   | _                       |         | 1         |       |  | 72           | _                  | _       |  | $\sqcup$        |                 | _                    |            |       | 122        |          |   | _        | _   |                  | $\bot$               | Ш               |          |
|                | 23       |              | <u> </u>   | $\vdash$   | 4               | _   | +                       | +       | -         |       |  | 73           | -                  | +       | +                                      | ┞─┼             | +               | _                    |            |       | 123        |          | $\vdash$  | $\perp$  | $\perp$   | 4                | 4                    | Ш               | Щ        |
|                | 24       | _            | ┢  | $\vdash$   | -+              | -   | +                       | +       | +         |       | -  | 74           | $\dashv$           |         | +                                      | ┡               | $\dashv$        |                      |            |       | 124        |          | $\vdash$  | 4        | +   | +                | _                    | Ш               |          |
| <u> </u>       | 25       | ⊢            | ├  | $\vdash$   | -               |   | +                       | +       | +         |       |  | 75           | +                  | +       |  | $\vdash$        | -               |                      |            |       | 125        | _        | -   | +        | +   | +                | +                    | Ш               | Ш        |
| -              | 26<br>27 | <u> </u>     | ┢  | <del>                                     </del> | $\dashv$        | $\dashv$  |                         | +-      | +-        |       | $\vdash$   | 76<br>77     | $\dashv$           |         |  | ₩               |                 | _                    |            |       | 126<br>127 | _        |   | +        | +   | -                | +                    | $\vdash$        | Н        |
|                | 28       | ⊢            | ⊢  | $\vdash$   | $\dashv$        |   | ╫                       | +       | +         |       |  | 78           | $\dashv$           | +       | +                                      | ╌               | $\dashv$        |                      | ł          |       | 128        | -        | $\vdash$  |          | +   | ╁                | +                    | $\vdash$        |          |
|                | 29       | ┢            | ┝  | $\vdash$   | $\dashv$        | +   | +                       | ╁       | +         |       |  | 79           | -+                 | +       | +                                      |                 | +               | +                    | ł          |       | 129        | -        | $\vdash$  | +        | +   | +                | ╂┤                   | Н               | -        |
| <del>  -</del> | 30       | $\vdash$     |  | ┨  | $\dashv$        | $\dashv$  | +                       | +-      | 1         |       | $\vdash$   | 80           | -+                 | +       | +-                                     | $\vdash$        | +               | -                    | 1          |       | 130        |          | $\vdash$  | +        | -   | +                | ╁┤                   | $\vdash$        | -        |
|                | 31       | _            | <del> </del>                                     | Н  | $\dashv$        | +   | +                       | +       | ╁         |       | $\vdash$   | 81           |                    | +       | +                                      | $\vdash$        |                 | $\dashv$             | 1          |       | 131        | $\vdash$ | $\vdash$  | +        | +   | ╁                | +                    |                 | $\dashv$ |
|                | 32       | ╁            | ╁  | $\vdash$   | $\dashv$        | +   | +                       | +       | $\dagger$ |       |  | 82           |                    | +       | +-                                     | $\vdash$        | +               | _                    | 1          |       | 132        | H        | -   | +        |   | +                | +                    | Н               |          |
|                | 33       | $\vdash$     | <del>                                     </del> | П  | $\top$          | 十   | +                       | $\top$  | $\top$    |       |  | 83           | 十                  | $\top$  | T                                      | $\vdash$        | 1               | $\neg \uparrow \neg$ | 11         |       | 133        |          |   | $\top$   | $\dashv$  | $\top$           | 1-                   | $\vdash$        |          |
|                | 34       | Г            | Г  | П  | $\neg \uparrow$ | $\top$  | 十                       | $\top$  | 1         |       |  | 84           | $\dashv$           | 十       | 1                                      | $\vdash$        | ++              |                      | 1000       |       | 134        | H        | $\vdash$  | 十        | +   | $\top$           | $\dagger \exists$    | $\sqcap$        | $\neg$   |
|                | 35       |              |  |  |                 |   |                         |         |           |       |  | 85           | 丁                  |         | Ī                                      |                 | $\top$          |                      | 1          |       | 135        |          |   | 十        | İ   | 1-               | $\sqcap$             | $\sqcap$        |          |
|                | 36       |              |  |  |                 | $\Box$  |                         |         |           |       |  | 86           |                    |         |  |                 |                 |                      |            |       | 136        |          |   | 十        |   | 1                | $\Box$               | $\Box$          |          |
|                | 37       |              |  |  |                 | $oldsymbol{ol}}}}}}}}}}}}}}}$ |                         |         | $\Box$    |       |  | 87           | $\Box$             | Ι       | oxdot                                  |                 |                 |                      |            |       | 137        |          |   | ╧        |   | Ι                | $\Box$               | $\Box$          |          |
|                | 38       |              |  | П  | I               | T   |                         |         |           |       |  | 88           |                    | T       | $oxed{\Box}$                           |                 |                 |                      |            |       | 138        |          |   | T        |   |                  |                      |                 |          |
| Ш              | 39       | <u> </u>     | 匚  | $\sqcup$   | $\perp$         | $\perp$   | 1                       | 1       |           |       | $oxed{oxed}$                                     | 89           | $\perp \downarrow$ | $\perp$ | $\perp$                                |                 | لل              |                      |            |       | 139        |          |   | $\perp$  | $\Box$  |                  |                      |                 |          |
|                | 40       | _            | $ldsymbol{f eta}$                                | Ц  | _               | _   |                         | 4       | _         |       | $\sqcup$   | 90           | _                  | $\perp$ | 4_                                     | Щ               | $\perp \perp$   |                      |            |       | 140        | Ш        | $\Box$  | $\perp$  |   |                  | $\sqcup$             | Ш               |          |
| <b></b>        | 41       | _            | <u> </u>   | $\sqcup$   | $\dashv$        | $\bot$  | 4                       | _       | $\perp$   |       | $\sqcup \downarrow$                              | 91           | _                  | $\bot$  | $\perp$                                | Ш               | 4               |                      |            |       | 141        | Ш        | $\sqcup \bot$   | $\perp$  |   | $\perp$          | $\perp \!\!\! \perp$ | Ш               | $\Box$   |
| $\vdash$       | 42       | <u> </u>     | <u> </u>   | $\sqcup$   | $\dashv$        | +   | $\perp$                 | $\perp$ |           |       | $\vdash \vdash$                                  | 92           |                    | $\perp$ | 1                                      | $\sqcup$        | $\dashv$        | _ _                  |            |       | 142        | Щ        | $\sqcup$  | _ _      | _ _   | 4_               | $\perp \downarrow$   | Ш               |          |
| <b>  </b>      | 43       | <u> </u>     | $\vdash$   | $\vdash \vdash$                                  | 4               | +   | +                       | +       | +-        |       | $\vdash \vdash$                                  | 93           | -                  | +       | ┼-                                     | $\vdash \vdash$ | $\dashv$        | $\dashv$             | ļ <b>I</b> |       | 143        | Щ        | $\vdash \vdash$   | $\perp$  | _   | $\perp$          | $\sqcup$             | Ш               | Щ        |
| $\vdash$       | 44       | -            | ⊢  | $\vdash$   | +               | +   | +                       | +-      | +         |       | ┝╌┩  | 94           | -                  | +-      | +-                                     | $\vdash \vdash$ | $\dashv$        | ——                   |            |       | 144        | Ш        | $\dashv$  |          | +   | +                | ╀┤                   | $\vdash \vdash$ | $\dashv$ |
|                | 45       | -            | ⊢  | $\vdash \vdash$                                  | +               | $\dashv$  | +                       |         | $\vdash$  |       | $\vdash$   | 95           | $\dashv$           | +       | +                                      | $\vdash$        |                 | $\dashv$             |            |       | 145        | $\vdash$ |   | +        | -   | +                | $\dashv$             | $\dashv$        | $\dashv$ |
|                | 46       | $\vdash$     | $\vdash$   | $\vdash$   | +               | +   | +                       | +-      | +-        |       | <del>                                     </del> | 96           | -+-                | - -     | +-                                     | $\vdash$        |                 | -                    |            |       | 146        | $\vdash$ | +   | +        | +   | +                | +                    | Щ               | $\dashv$ |
| $\vdash$       | 47<br>48 | $\vdash$     |  | $\vdash \vdash$                                  | +               | +   | - -                     |         | $\vdash$  |       |  | 97<br>98     |                    | +       | +                                      | $\vdash \vdash$ | $\dashv$        | $\dashv$             |            |       | 147        | $\vdash$ | +   | +        | +   | +                | +                    | $\vdash$        |          |
| $\vdash$       | 49       | <del> </del> | -  | $\vdash \vdash$                                  | +               | +   | +                       | +-      | $\vdash$  |       | $\vdash$   | 99           | +                  | - -     | +                                      | $\vdash$        | +-+             | $\dashv$             |            |       | 148<br>149 | Н        | +   | +        | +-  | ╁                | +                    | $\vdash$        |          |
| $\vdash$       | 50       | $\vdash$     | $\vdash$   | ┝┼   |                 | +   | +                       | +-      | ╁         |       | <del>                                     </del> | 100          | +                  | ╅       | +                                      | $\dashv$        |                 |                      |            |       | 150        | Н        | +   |          | +   | +                | +                    | $\vdash$        | -        |
|                | _50_     |              |  | $oldsymbol{\sqcup}$                              | L               |   | _1_                     | _1_     |           | ::::: |  | 100          | L                  |         | ــــــــــــــــــــــــــــــــــــــ | oxdot           |                 | L                    | յ։։։։։[    |       | 130        | لـــا    | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ |          |   |                  | لسل                  |                 | لـــا    |